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Substitute for form 1449B
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Dated Filed: July 16, 2008

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Sheet 1 of 17

Complete if Known

Application Number	10/534,579
Filing Date	11/14/2006
First Named Inventor	Xin Jiang
Group Art Unit	1656
Examiner Name	Maryam Monshipouri

Sheet 1 of 17

Attorney Docket Number 059314-0401

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	6,372,724		Pelleg, et al.	April 16, 2002	
	A2	6,057,101		Nandabalan, et al.	May 2, 2000	
	A3	6,022,691		Bruice, et al.	February 8, 2000	
	A4	5,997,848		Patton, et al.	December 7, 1999	
	A5	5,932,435		Atkins, et al.	August 3, 1999	
	A6	5,914,236		Monsma, Jr., et al.	June 22, 1999	
	A7	5,910,434		Rigg, et al.	June 8, 1999	
	A8	5,840,484		Seilhamer, et al.	November 24, 1998	
	A9	5,837,458		Minshull, et al.	November 17, 1998	
	A10	5,804,413		DeLuca	September 8, 1998	
	A11	5,767,337		Roses, et al.	June 16, 1998	
	A12	5,707,618		Armentano, et al.	January 13, 1998	
	A13	5,686,242		Bruice, et al.	November 11, 1997	
	A14	5,605,662		Heller, et al.	February 25, 1997	
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U.S. PROVISIONAL PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Application Document	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number-Kind Code ² (if known)			
	B1	60/426,105	2002-11-13	ELLIOTT, Vicki	
	B2	60/433,215	2002-12-12	ELLIOTT, Vicki	
	B3	60/453,127	2003-03-07	SWARNAKAR, Anita	
	B4	60/454,801	2003-03-13	KABLE, Amy	

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Signature**

**Date
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				Attorney Docket Number	059314-0401

U.S. PROVISIONAL PATENT APPLICATION DOCUMENTS				
		U.S. Patent Application Document		
	B5	60/465,495	2003-04-24	LEE, Soo
	B6	60/465,619	2003-04-24	EMERLING, Brooke
	B7	60/491,800	2003-08-01	BECHA, Shanya

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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)		
	C1		WO 95/35505	The Board of Trustees of the Leland Stanford Junior University	December 28, 1995	
	C2		WO 95/25116	California Institute of Technology	September 21, 1995	
	C3		WO 99/01554	ZymoGenetics, Inc.	January 14, 1999	

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶
	D1	Adam, M.A. and A.D. Miller, "Identification of a signal in a murine retrovirus that is sufficient for packaging of nonretroviral RNA into virions," (1988) <u>J. Virol.</u> 62:3802-3806		
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	D3	Anderson, N.L. and J. Seilhamer, "A Comparison of Selected mRNA and Protein Abundances in Human Liver," (1997) <u>Electrophoresis</u> 18:533-537		
	D4	Antinozzi, P.A. et al., "Metabolic engineering with recombinant adenoviruses," (1999) <u>Annu. Rev. Nutr.</u> 19:511-544		
	D5	Armentano, D. et al., "Effect of internal viral sequences on the utility of retroviral vectors," (1987) <u>J. Virol.</u> 61:1647-1650		

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Sheet 3 of 17

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	D6	Arndt, G.M. et al., "A rapid genetic screening system for identifying gene-specific suppression constructs for use in human cells," (2000) <u>Nucleic Acids Res.</u> 28:E15	
	D7	Ashkenazi, A. and V.M. Divit, "Apoptosis control by death and decoy receptors," (1999) <u>Curr. Opin. Cell Biol.</u> 11:255-260	
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	D14	Boado, R.J. et al., "Drug Delivery of Antisense Molecules to the Brain for Treatment of Alzheimer's Disease and Cerebral AIDS," (1998) <u>J. Pharm. Sci.</u> 87:1308-1315	
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Sheet	4	of	17	Attorney Docket Number	059314-0401										

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
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—	D17	<u>Bordignon, C. et al.</u> , "Gene Therapy in Peripheral Blood Lymphocytes and Bone Marrow for ADA ⁺ Immunodeficient Patients," (1995) <u>Science</u> 270:470-475	
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—	D19	<u>Brody, E.N. and L. Gold</u> , "Aptamers as Therapeutic and Diagnosis Agents," (2000) <u>J. Biotechnol.</u> 74:5-19	
	D20	Broglie, R. et al., "Light-Regulated Expression of a Pea Ribulose-1,5-Bisphosphate Carboxylase Small Subunit Gene in Transformed Plant Cells," (1984) <u>Science</u> 224:838-843	
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	D26	Capecchi, M.R., "Altering the Genome by Homologous Recombination," (1989) <u>Science</u> 244:1288-1292	
	D27	Caruthers, M.H. et al., "New chemical methods for synthesizing polynucleotides," (1980) <u>Nucleic Acids Symp. Ser.</u> 7:215-223	
	D28	Cavazzana-Calvo, M. et al., "Gene Therapy of Human Severe Combined Immunodeficiency (SCID)-X1 Disease," (2000) <u>Science</u> 288:669-672	
	D29	Chang, C.-C. et al., "Evolution of a Cytokine Using DNA Family Shuffling," (1999) <u>Nat. Biotechnol.</u> 17:793-797	
	D30	Chen, L. et al., "Overexpression of matrix Gla protein mRNA in malignant human breast cells: isolation by differential cDNA hybridization," (1990) <u>Oncogene</u> 5:1391-1395	
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	D37	Cote, R.J. et al., "Generation of human monoclonal antibodies reactive with cellular antig," (1983) <u>Proc. Natl. Acad. Sci. USA</u> 80:2026-2030	
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	D56	Graham, F.L. and A.J. Eb, "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA," (1973) <u>Virology</u> 52:456-467	
	D57	Gura, T., "A silence that speaks volumes," (2000) <u>Nature</u> 404:804-808	

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Dated Filed: July 16, 2008 (use as many sheets as necessary)				Complete if Known	
Sheet	8	of	17	Application Number	10/534,579
				Filing Date	11/14/2006
				First Named Inventor	Xin Jiang
				Group Art Unit	1656
				Examiner Name	Maryam Monshipouri
				Attorney Docket Number	059314-0401

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	D58	Haft, D.H. et al., "TIGRFAMs: a protein family resource for the functional identification of proteins," (2001) <u>Nucleic Acids Res.</u> 29:41-43	
—	D59	Harrington, M.G., "Elution of Protein From Gels," (1990) <u>Methods Enzymol.</u> 182:488-495	
	D60	Harrington, J.J. et al., "Formation of <i>De Novo</i> Centromere and Construction of First-Generation Human Artificial Microchromosomes," (1997) <u>Nat. Genet.</u> 15:345-355	
	D61	Hartman, S.C. and R.C. Mulligan, "Two dominant-acting selectable markers for gene transfer studies in mammalian cells," (1988) <u>Proc. Natl. Acad. Sci. USA</u> 85:8047-8051	
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	D68	Ivics, Z., "Molecular Reconstruction of <i>Sleeping Beauty</i> , a <i>Tc1</i> -like Transposon from Fish, and Its Transposition in Human Cells," (1997) <u>Cell</u> 91:501-510	

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Dated Filed: July 16, 2008				Filing Date	11/14/2006
(use as many sheets as necessary)				First Named Inventor	Xin Jiang
				Group Art Unit	1656
				Examiner Name	Maryam Monshipouri
Sheet	9	of	17	Attorney Docket Number	059314-0401

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	D69	JANNE, J. et al., <i>Biotechnol. Annu. Rev.</i> , 4:55-74 (1998).	
	D70	Khazaie, K. et al., "EGF Receptor in Neoplasia and Metastasis," (1993) <u>Cancer and Metastasis Rev.</u> 12:255-274	
	D71	Kimmel, A.R., "Identification and Characterization of Specific Clones: Strategy for Confirming the Validity of Presumptive Clones," (1987) <u>Methods Enzymol.</u> 152:507-511	
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	D73	Kozbor, D. et al., "Specific Immunoglobulin Production and Enhanced Tumorigenicity Following Ascites Growth of Human Hybridomas," (1985) <u>J. Immunol. Methods</u> 81:31-42	
	D74	Kwok, P.-Y. and Z. Gu, "Single Nucleotide Polymorphism Libraries: Why and How Are We Building Them?" (1999) <u>Mol. Med. Today</u> 5:538-543	
	D75	Lagerstrom, M. et al., "Capture PCR: efficient amplification of DNA fragments adjacent to a known sequence in human and YAC DNA," (1991) <u>PCR Methods Applic.</u> 1:111-119	
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	D77	Lee, S.W. et al. (1992), "Down-regulation of a member of the S100 gene family in mammary carcinoma cells and reexpression by azadeoxycytidine treatment," <u>Proc. Natl. Acad. Sci. USA</u> 89:2504-2508	
	D78	Letunic, I. et al., "Recent improvements to the SMART domain-based sequence annotation resource," (2002) <u>Nucleic Acids Res.</u> 30:242-244	
	D79	Liu, X. et al., "Herpes Simplex Virus Mediated Gene Transfer to Primate Ocular Tissues," (1999) <u>Exp. Eye Res.</u> 169:385-395	

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Dated Filed: July 16, 2008

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Sheet 10 of 17

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Application Number	10/534,579
Filing Date	11/14/2006
First Named Inventor	Xin Jiang
Group Art Unit	1656
Examiner Name	Maryam Monshipouri

Attorney Docket Number 059314-0401

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	D80	Logan, J. and T. Shenk, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection," (1984) <u>Proc. Natl. Acad. Sci. USA</u> 81:3655-3659	
	D81	Lois, C. et al., "Germline Transmission and Tissue-Specific Expression of Transgenes Delivered by Lentiviral Vectors," (2002) <u>Science</u> 295:868-872	
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	D83	Lowy, I. et al., "Isolation of Transforming DNA: Cloning the Hamster apt Gene," (1980) <u>Cell</u> 22:817-823	
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	D85	Mantovani, A. et al., "Decoy Receptors: A Strategy to Regulate Inflammatory Cytokines and Chemokines," (2001) <u>Trends Immunol.</u> 22:328-336	
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	D89	McGregor, D.P. et al., "Spontaneous Assembly of Bivalent Single Chain Antibody Fragments in <i>ESCHERICHIA COLI</i> ," (1994) <u>Mol. Immunol.</u> 31:219-226	
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Sheet 11 of 17

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Filing Date	11/14/2006
First Named Inventor	Xin Jiang
Group Art Unit	1656
Examiner Name	Maryam Monshipouri

Attorney Docket Number 059314-0401

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	D91	Mendoza, L.G. et al., "High-throughput microarray-based enzyme-linked immunosorbent assay (ELISA)," (1999) <u>Biotechniques</u> 27:778-788	
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				Filing Date	11/14/2006
				First Named Inventor	Xin Jiang
				Group Art Unit	1656
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	D102	Paddison, P.J. et al., "Short hairpin RNAs (shRNAs) induce sequence-specific silencing in mammalian cells," (2002) <u>Genes Dev.</u> 16:948-958	
	D103	Parker, J.D. et al., "Targeted gene walking polymerase chain reaction," (1991) <u>Nucleic Acids Res.</u> 19:3055-3060	
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	D106	Poeschla, E. et al., "Development of HIV Vectors for Anti-HIV Gene Therapy," (1996) <u>Proc. Natl. Acad. Sci. USA</u> 93:11395-11399	
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Sheet 13 of 17

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Group Art Unit	1656
Examiner Name	Maryam Monshipouri

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	D114	Rossi, J.J., "Therapeutic antisense and ribozymes," (1995) <u>Br. Med. Bull.</u> 51:217-225	
	D115	Sager, R. et al., "Maspin: A Tumor Suppressing Serpin," (1996) <u>Curr. Top. Microbiol. Immunol.</u> 213:51-64	
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	D121	Schena, M. et al., "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray," (1995) <u>Science</u> 270:467-470	
	D122	Schultz, J. et al., "SMART, a simple modular architecture research tool: Identification of signaling domains," (1998) <u>Proc. Natl. Acad. Sci. USA</u> 95:5857-5864	
	D123	Schwarze, S.R. et al., "In Vivo Protein Transduction: Delivery of a Biologically Active Protein into the Mouse," (1999) <u>Science</u> 285:1569-1572	

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	D124	Scorer, C.A. et al., "Rapid Selection Using G418 of High Copy Number Transformants of <i>Pichia Pastoris</i> for High-Level Foreign Gene Expression," (1994) <u>Bio/Technology</u> 12:181-184	
	D125	Shalon, D. et al., "A DNA Microarray System for Analyzing Complex DNA Samples Using Two-Color Fluorescent Probe Hybridization," (1996) <u>Genome Res.</u> 6:639-645	
	D126	Skerra, A., "Anticalins": A New Class of Engineered Ligand-Binding Proteins With Antibody-Like Properties," (2001) <u>J. Biotechnol.</u> 74:257-275	
	D127	Slater, J.E. et al., "Environmental and Occupational Disorders," (1998) <u>J. Allergy Clin. Immunol.</u> 102:469-475	
	D128	Steiner, S. and N.L. Anderson, "Expression Profiling in Toxicology—Potentials and Limitations," (2000) <u>Toxicol. Lett.</u> 112-113:467-471	
	D129	Su, L., "Hematopoietic Stem Cell-Based Gene Therapy for Acquired Immunodeficiency Syndrome: Efficient Transduction and Expression of RevM10 in Myeloid Cells In Vivo and In Vitro," (1997) <u>Blood</u> 89:2283-2290	
	D130	Takamatsu, N., "Expression of Bacterial Chloramphenicol Acetyltransferase Gene in Tobacco Plants Mediated by TRV-RNA," (1987) <u>EMBO J.</u> 6:307-311	
	D131	Takeda, S. et al., "Construction of Chimaeric Processed Immunoglobulin Genes Containing Mouse Variable and Human Constant Region Sequences," (1985) <u>Nature</u> 314:452-454	
	D132	Taylor, J.G. et al., "Deconstructing Type 2 Diabetes," (2001) <u>Trends Mol. Med.</u> 7:507-512	
	D133	Taylor, P.C. et al., "Immunotherapy for Rheumatoid Arthritis," (2001) <u>Curr. Opin. Immunol.</u> 13:611-616	

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Attorney Docket Number	059314-0401																
Sheet	15	of	17														

NON PATENT LITERATURE DOCUMENTS

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	D134	Thomson, J.A. et al., Embryonic Stem Cell Lines Derived from Human Blastocysts," (1998) <u>Science</u> 282:1145-1147	
	D135	Trask, B.J., "Fluorescence <i>in situ</i> Hybridization," (1991) <u>Trends Genet.</u> 7:149-154	
	D136	Triglia, T. et al., "A procedure for in vitro amplification of DNA segments that lie outside the boundaries of known sequences," (1988) <u>Nucleic Acids Res.</u> 16:8186	
	D137	Uckert, W. and W. Walther, "Retrovirus-Mediated Gene Transfer in Cancer Therapy," (1994) <u>Pharmacol. Ther.</u> 63:323-347	
	D138	Ulrix, W. et al., "The Differentiation-Related Gene 1, <i>Drg1</i> , Is Markedly Upregulated by Androgens in LNCaP Prostatic Adenocarcinoma Cells," (1999) <u>FEBS Lett</u> 455:23-26	
	D139	Van Heeke, G. and S.M. Schuster, "Expression of Human Synthetase in <i>Escherichia coli</i> ," (1989) <u>J. Biol. Chem.</u> 264:5503-5509	
	D140	Verma, I.M. and N. Somia, "Gene therapy - promises, problems and prospects," (1997) <u>Nature</u> , 389:239-242	
	D141	Wagner, K.U. et al., "Cre-mediated gene deletion in the mammary gland," (1997) <u>Nucleic Acids Res.</u> , 25:4323-4330	
	D142	Wahl, G.M. and S.L. Berger, "Molecular Hybridization of Immobilized Nucleic Acids: Theoretical Concepts and Practical Considerations," (1987) <u>Methods Enzymol.</u> 152:399-407	
	D143	Wang et al., "Identification of Genes Differentially Over-Expressed in Lung Squamous Cell Carcinoma Using Combination of cDNA subtraction and microarray Analysis," (2000) <u>Oncogene</u> 19:1519-1528	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/534,579
Dated Filed: July 16, 2008				Filing Date	11/14/2006
(use as many sheets as necessary)				First Named Inventor	Xin Jiang
				Group Art Unit	1656
				Examiner Name	Maryam Monshipouri
Sheet	16	of	17	Attorney Docket Number	059314-0401

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	D144	Way, J.M. et al., "Comprehensive Messenger Ribonucleic Acid Profiling Reveals That Peroxisome Proliferator-Activated Receptor γ Activation Has Coordinate Effects on Gene Expression in Multiple Insulin-sensitive Tissues," (2001) <u>Endocrinology</u> 142:1269-1277	
	D145	Weiss, G.A. and H.B. Lowman, "Anticalins Versus Antibodies: Made-To-Order Binding Proteins for Small Molecules," (2000) <u>Chem. Biol.</u> 7:R177-R184	
	D146	Wigler, M. et al., "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells," (1977) <u>Cell</u> 11:223-232	
	D147	Wigler, M. et al., "Transformation of mammalian cells with an amplifiable dominant-acting gene," (1980) <u>Proc. Natl. Acad. Sci. USA</u> 77:3567-3570	
	D148	Winter, G. et al., "Man-Made Antibodies," (1991) <u>Nature</u> 349:293-299	
	D149	Wise, A. et al., "Target Validation of G-Protein Coupled Receptors," (2002) <u>Drug Discovery Today</u> 7:235-246	
	D150	Wistuba, I.I. et al., "Comparison of Features of Human Breast Cancer Cell Lines and Their Corresponding Tumors," (1998) <u>Clin. Cancer Res.</u> 4:2931-2938	
	D151	Xu, H. et al., "Viral Transduction of <i>trkB</i> Into Cultured Nodose and Spinal Motor Neurons Conveys NGF Responsiveness," (1994) <u>Dev. Biol.</u> 163:152-161	
	D152	Yu, M. et al., "A Hairpin Ribozyme Inhibits Expression of Diverse Strains of Human Immunodeficiency Virus Type 1," (1993) <u>Proc. Natl. Acad. Sci. USA</u> 90:6340-6344	
	D153	Zabner, J. et al., "Adenovirus-Mediated Gene Transfer Transiently Corrects the Chloride Transport Defect in Nasal Epithelia of Patients with Cystic Fibrosis," (1993) <u>Cell</u> 75:207-216	
	D154	Zhou, Z. et al., "Up-Regulation of Human Secreted Frizzled Homolog in Apoptosis and its Down-Regulation in Breast Tumors," (1998) <u>Int. J. Cancer</u> 78:95-99	

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Sheet	17	of	17	Application Number	10/534,579
				Filing Date	11/14/2006
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				Group Art Unit	1656
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	D155	Zufferey, R. et al., "Self-Inactivating Lentivirus Vector for Safe and Efficient In Vivo Gene Delivery," (1998) <u>J. Virol.</u> 72:9873-9880		

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Sheet 2 of 3

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Application Number	10/534,579
Filing Date	11/10/2003
First Named Inventor	Xin Jiang
Art Unit	1656
Examiner Name	Maryam Monshipouri

Attorney Docket Number 059314-0401

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/M.M./	A7	HEINZ ULRICH et al., in MEYERS, R.A., <u>Molecular Biology and Biotechnology</u> , Wiley VCH, New York NY, 965-968 (1995).	
/M.M./	A8	JACKSON, R.L., <u>The Enzymes</u> (Boyer, P.D., ed.) Vol. XVI, 141-186, Academic Press, New York NY (1983).	
/M.M./	A9	KUHN, H. and BORNGRABER, S., <u>Adv. Exp. Med. Biol.</u> , 447:5-28 (1999). Khun	
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Sheet 3 of 3

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Application Number	10/534,579
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Examiner Name	Maryam Monshipouri
Attorney Docket Number	059314-0401

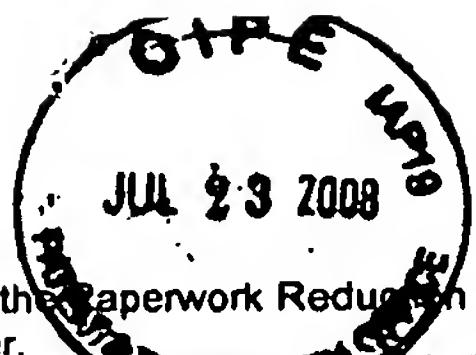
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	A15	<u>STRYER, L. Biochemistry</u> , 264-267 (1995).	
	A16	<u>STRYER, L. Biochemistry</u> , 552-554, 279-280, 691-702, 834 (1988).	

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Sheet 1 of 17

Sheet 1 of 17

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Application Number	10/534,579
Filing Date	11/10/2003
First Named Inventor	Xin Jiang
Art Unit	1656
Examiner Name	Maryam Monshipour
Attorney Docket Number	059314-0401

Attorney Docket Number 059314-0401

U.S. PATENT DOCUMENTS

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/M.M./	A3	AMINOFF, D., <u>Biochem. J.</u> , 81:384-392 (1961).	
	A4	ANDERSON, R. et al., <u>Toxicol. Appl. Pharmacol.</u> , 125:176-183 (1994).	
/M.M./	A5	ANDERSON, R.A. et al., <u>J. Biol. Chem.</u> , 266:22479-22484 (1991).	

Examiner Signature	Date Considered	
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Date Submitted: July 23, 2008

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Sheet 2 of 17

Complete If Known

Application Number	10/534,579
Filing Date	11/10/2003
First Named Inventor	Xin Jiang
Art Unit	1656
Examiner Name	Maryam Monshipouri

Attorney Docket Number 059314-0401

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/M.M./	A6	ANDERSON, R.A. et al., <u>Mol. Genet. Metab.</u> , 68:333-345 (1999).	
/M.M./	A7	ANDERSON, R.A. et al., <u>Proc. Natl. Acad. Sci. USA</u> , 91:2718-2722 (1994).	
	A8	ANTONIN, W. et al., <u>J. Neurosci.</u> , 20:5724-5732 (2000).	
	A9	ATTWOOD, T.K. et al., <u>J. Chem. Inf. Comput. Sci.</u> , 37:417-424 (1997).	
	A10	BACUS, S.S. et al., <u>Am. J. Clin. Pathol.</u> , 102:S13-S24 (1994).	
/M.M./	A11	BAIROCH, A. et al., <u>Nucleic Acids Res.</u> , 25:217-221 (1997).	
/M.M./	A12	BATEMAN, A. et al., <u>Nucleic Acids Res.</u> , 27:260-262 (1999).	
/M.M./	A13	BATES, E.J. and SAGGERSON, E.D., <u>Biochem. J.</u> , 182:751-762 (1979).	
/M.M./	A14	BLACK, P.N. et al., <u>J. Biol. Chem.</u> , 272:4896-4904 (1997).	
/M.M./	A15	BOLL, W. et al., <u>J. Biol. Chem.</u> , 268:12901-12911 (1993).	

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Sheet	3	of	17	Application Number	10/534,579
				Filing Date	11/10/2003
				First Named Inventor	Xin Jiang
				Art Unit	1656
				Examiner Name	Maryam Monshipouri
				Attorney Docket Number	059314-0401

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/M.M./	A16	BRASH, A.R., <u>J. Biol. Chem.</u> , 274:23679-23682 (1999).	
/M.M./	A17	BROWN, A.J., <u>Atherosclerosis</u> , 142-1-28 (1999).	
/M.M./	A18	DUCHATEAU, P.N. et al., <u>J. Lipid Res.</u> , 42:620-630 (2001).	
/M.M./	A19	BURGES, W.H. et al., <u>Mol. Cell. Biol.</u> , 10:4770-4777 (1990).	
/M.M./	A20	CALLAHAN, J.W., <u>Biochim. Biophys. Acta</u> , 1455:85-103 (1999).	
	A21	CATTY, D. et al., <u>Antibodies, Volume I: A Practical Approach</u> . IRL Press. Washington DC (1988).	
/M.M./	A22	CHEN, J. et al., <u>J. Biol. Chem.</u> , 269:2365-2368 (1994).	
/M.M./	A23	CHOU, T.T. et al., <u>J. Biol. Chem.</u> , 275:565-570 (2000).	/M.M./

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/534,579
Date Submitted: July 23, 2008				Filing Date	11/10/2003
(use as many sheets as necessary)				First Named Inventor	Xin Jiang
				Art Unit	1656
				Examiner Name	Maryam Monshipouri
Sheet	4	of	17	Attorney Docket Number	059314-0401

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/M.M./	A24	CHUNG, T.D., <u>Prostate</u> , 15:199-207 (1999).	
/M.M./	A25	CLAVERIE, J.M. and AUDIC, S., <u>CABIOS</u> , 12:431-39 (1997).	
	A26	COLIGAN, J.E. et al., <u>Current Protocols in Immunology</u> , 1(2):Chapter 5 (1991).	
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/M.M./	A28	CONNELLY, P.W., <u>Clin. Chim. Acta</u> , 286:243-255 (1999).	
/M.M./	A29	CONRAD, D.J., <u>Clin. Rev. Allergy Immunol.</u> , 17:71-89 (1999).	
/M.M./	A30	CREUTZ, C.E., <u>J. Biol. Chem.</u> , 273:1393-1402 (1998).	
/M.M./	A31	CUPILLARD, L. et al., <u>J. Biol. Chem.</u> , 272:15745-15752 (1997).	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/534,579
Date Submitted: July 23, 2008				Filing Date	11/10/2003
(use as many sheets as necessary)				First Named Inventor	Xin Jiang
				Art Unit	1656
				Examiner Name	Maryam Monshipouri
Sheet	5	of	17	Attorney Docket Number	059314-0401

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/M.M./	A32	DAVIDSON, F.F. and DENNIS, E.A., <u>J. Mol. Evol.</u> , 31:228-238 (1990).	
/M.M./	A33	DAY, J.R. et al., <u>J. Biol. Chem.</u> , 269:9388-9391 (1994).	
/M.M./	A34	DELAGEBEAUDEUF, C. et al., <u>J. Biol. Chem.</u> , 273:13407-13414 (1998).	
/M.M./	A35	DENNIS, E.F., <u>J. Biol. Chem.</u> , 269:13057-13060 (1994).	
	A36	<u>DEWFY, R.F. et al. Plant Physiol. Biochem. 37:445-457 (2000)</u>	
/M.M./	A37	DOWLER, S. et al., <u>Biochem. J.</u> , 351(Pt 1):19-31 (2000).	
/M.M./	A38	VENEMA, et al., <u>J. Biol. Chem.</u> , 273:7703-7708 (1998).	
/M.M./	A39	DRISSI, H. et al., <u>J. Biol. Chem.</u> , 273:20168-20174 (1998).	

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Sheet 6 of 17

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Application Number	10/534,579
Filing Date	11/10/2003
First Named Inventor	Xin Jiang
Art Unit	1656
Examiner Name	Maryam Monshipouri

Attomey Docket Number 059314-0401

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/M.M./	A41	EATON, S. et al., <u>Biochem. J.</u> , 320:345-357 (1996).	
	A42	ECKEL, R.H., <u>New Engl. J. Med.</u> , 320:1000-1008 (1989).	
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/M.M./	A44	EWING, B. and GREEN, P., <u>Genome Res.</u> , 8:186-194 (1998).	
/M.M./	A45	EWING, B. et al., <u>Genome Res.</u> , 8:175-185 (1998).	
	A46	FAUCI, <u>Harrison's Principles of Internal Medicine</u> , McGraw Hill, New York, NY, p. 2475 (1994).	
/M.M./	A47	FIERER, J. et al., <u>J. Immunol.</u> , 168:6396-6403 (2002).	

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Sheet 7 of 17

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Application Number	10/534,579
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Art Unit	1656
Examiner Name	Maryam Monshipouri

Attorney Docket Number 059314-0401

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/M.M./	A49	FOJO, S.S. et al., <u>J. Clin. Invest.</u> , 82:1489-1494 (1988).	
/M.M./	A50	GARGOURI, Y. et al., <u>Biochim. Biophys. Acata</u> , 1006:255-271 (1989).	
/M.M./	A51	GAROFF, H. and LI, K.J., <u>Curr. Opin. Biotechnol.</u> , 9:464-469 (1998).	
/M.M./	A52	GORDON, D. et al., <u>Genome Res.</u> , 8:195-202 (1998).	
/M.M./	A53	GOTTFRIES, C.G. et al., <u>J. Neural Transm.</u> , 105:773-786 (1998).	
/M.M./	A54	GRIBSKOV, M. et al., <u>CABIOS</u> , 4:61-66 (1988).	
/M.M./	A55	GRIBSKOV, M. et al., <u>Methods Enzymol.</u> , 183:146-159 (1989).	

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Sheet 8 of 17

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Art Unit	1656
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Attorney Docket Number 059314-0401

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/M.M./	A58	HASEGAWA, T. et al., <u>J. Biol. Chem.</u> , 275:8007-8015 (2000).	
/M.M./	A59	HENIKOFF, S. and HENIKOFF, J.G., <u>Methods Enzymol.</u> , 266:88-105 (1996).	
/M.M./	A60	HENIKOFF, S. and HENIKOFF, J.G., <u>Nucleic Acids Res.</u> , 19:6565-6572 (1991).	
/M.M./	A61	HIRATA, K. et al., <u>J. Biol. Chem.</u> , 274:14170-14175 (1990).	
/M.M./	A62	HOFFER, M.J., <u>Genomics</u> , 17:45-51 (1993).	
/M.M./	A63	HOULE, M.G. and BOURGOIN, S., <u>Biochim. Biophys. Acta</u> , 1439:135-149 (1999).	

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				Attorney Docket Number	059314-0401

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/M.M./	A64	IGDOURA, S.A. et al., <u>Hu. Mol. Genet.</u> , 8:1111-1116 (1999). HUM. Mol. Genet.				
/M.M./	A65	INADERA, H. et al., <u>Biochem. Biophys. Res. Commun.</u> , 193:1174-1183 (1993).				
/M.M./	A66	JIANG, X.C. et al., <u>J. Biol. Chem.</u> , 270:17133-17138 (1995).				
/M.M./	A67	KAISER, E. et al., <u>Clin. Biochim.</u> , 23:349-370 (1990).				
/M.M./	A68	KENNEDY, B.P. et al., <u>J. Biol. Chem.</u> , 270:22378-22385 (1995).				
/M.M./	A69	KIM, J.H., <u>FEBS Lett.</u> , 454:42-46 (1999).				
/M.M./	A70	KIM, M.J. et al., <u>J. Biol. Chem.</u> , 273:3618-3624 (1998).				
/M.M./	A71	KISSEL, J.A. et al., <u>Biochim. Biophys. Acta.</u> , 1006:227-236 (1989).				

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STATEMENT BY APPLICANT

Date Submitted: July 23, 2008

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Sheet 10 of 17

Complete if Known

Application Number	10/534,579
Filing Date	11/10/2003
First Named Inventor	Xin Jiang
Art Unit	1656
Examiner Name	Maryam Monshipouri

Attorney Docket Number 059314-0401

NON PATENT LITERATURE DOCUMENTS

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/M.M./	A72	KOMADA, M. et al., <u>Biochem. Biophys. Res. Commun.</u> , 168:1059-1065 (1990).	
/M.M./	A73	KROGH, A. et al., <u>J. Mol. Biol.</u> , 235:1501-1531 (1994).	
/M.M./	A74	LAGACE, T.A. et al., <u>Biochem. J.</u> , 326:205-213 (1997).	
/M.M./	A75	LAMBEAU, G. et al., <u>J. Biol. Chem.</u> , 270:5534-5540 (1995).	
/M.M./	A76	LEE, C.W. et al., <u>J. Biol. Chem.</u> , 269:25335-25338 (1994).	
/M.M./	A77	LUEKING, A. et al., <u>Anal. Biochem.</u> , 270:103-111 (1999).	
/M.M./	A78	LEWIS, R.A. et al., <u>New Engl. J. Med.</u> , 323:645-655 (1990).	
/M.M./	A79	LICOVITCH, M., <u>Biochem. J.</u> , 345:401-415 (2000).	

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Sheet	11	of	17	Application Number	10/534,579
				Filing Date	11/10/2003
				First Named Inventor	Xin Jiang
				Art Unit	1656
				Examiner Name	Maryam Monshipouri
				Attorney Docket Number	059314-0401

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/M.M./	A80	LIN, J. et al., <u>Cancer Res.</u> , 59:2891-2897 (1999).	
/M.M./	A81	LISCOVITCH, M. et al., <u>Cell</u> , 81:659-662 (1995).	
/M.M./	A82	LOFTUS, S.K. et al., <u>Science</u> , 277:232-235 (1997).	
/M.M./	A83	LOGAN, J. and SHENK, T., <u>Proc. Natl. Acad. Sci. USA</u> , 81:3655-3659 (1984).	
/M.M./	A84	LUZI, P. et al., <u>Biochem. Biophys. Res. Commun.</u> , 208:153-160 (1995).	
/M.M./	A85	MAIN, L.A. et al., <u>J. Biochem.</u> , 124:237-243 (1998).	
/M.M./	A86	MINAMI-ISHII, N. et al., <u>Eur. J. Biochem.</u> , 2185:73-78 (1989).	
/M.M./	A87	NALEFSKI, E.A. et al., <u>J. Biol. Chem.</u> , 269:18239-18249 (1994).	

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Sheet 12 of 17

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Application Number	10/534,579
Filing Date	11/10/2003
First Named Inventor	Xin Jiang
Art Unit	1656
Examiner Name	Maryam Monshipouri
Attorney Docket Number	059314-0401

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/M.M./	A88	NIELSON, H. et al., <u>Protein Engineering</u> , 10:1-6 (1997).	
/M.M./	A89	OBA, K. et al., <u>Cancer Genet. Cytogenet.</u> , 124:20-26 (2001).	
/M.M./	A90	OFMAN, R. et al., <u>Biochim. Biophys. Acta</u> , 1439:89-94 (1999).	
/M.M./	A91	OFMAN, R. et al., <u>Hum. Mol. Genet.</u> , 7:847-853 (1998).	
/M.M./	A92	OLIVEIRA, H.C.F. et al., <u>J. Biol. Chem.</u> , 271:31831-31838 (1996).	
/M.M./	A93	PAGE, N.M. et al., <u>Genomics</u> , 74:71-78 (2001).	
/M.M./	A94	PALOSAARI, P.M. and HILTUNEN, J.K., <u>J. Biol. Chem.</u> , 265:2446-2449 (1990).	
/M.M./	A95	PEARSON, W.R. and LIPMAN, D.J., <u>Proc. Natl. Acad. Sci. USA</u> , 85:2444-2448 (1988).	

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Sheet	13	of	17	Application Number	10/534,579
				Filing Date	11/10/2003
				First Named Inventor	Xin Jiang
				Art Unit	1656
				Examiner Name	Maryam Monshipouri
				Attorney Docket Number	059314-0401

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/M.M./	A96	PEARSON, W.R., <u>Methods Enzymol.</u> , 183:63-98 (1990).	
/M.M./	A97	PERSSON, B. and ARGOS, P., <u>J. Mol. Biol.</u> , 237:182-192 (1994).	
/M.M./	A98	PERSSON, B. and ARGOS, P., <u>Protein Sci.</u> , 5:363-371 (1996).	
/M.M./	A99	PRICE, C.M., <u>Blood Rev.</u> , 7:127-134 (1993).	
/M.M./	A100	PUTZ, T. et al., <u>Cancer Res.</u> , 59:227-233 (1999).	
/M.M./	A101	REVAK, S.D., <u>J. Clin. Invest.</u> , 81:826-833 (1988).	
/M.M./	A102	RHEE, S.G. and BAE, Y.S., <u>J. Biol. Chem.</u> , 272:15045-15048 (1997).	
/M.M./	A103	SANO, K. et al., <u>Biochem. Biophys. Res. Commun.</u> , 144:367-374 (1987).	

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Sheet 14 of 17

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Application Number	10/534,579
Filing Date	11/10/2003
First Named Inventor	Xin Jiang
Art Unit	1656
Examiner Name	Maryam Monshipouri

Attorney Docket Number 059314-0401

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/M.M./	A105	SELLE, H. et al., <u>Eur. J. Biochem.</u> , 212:411-416 (1993).	
/M.M./	A106	SHA, B. et al., <u>Nature</u> , 391:506-510 (1998).	
/M.M./	A107	SHIBATA, N. et al., <u>Proc. Natl. Acad. Sci. USA</u> , 98:2244-2249 (2001).	
/M.M./	A108	SMITH, C.I. et al., <u>Am. J. Physiol.</u> , 269:L603-612 (1995).	
/M.M./	A109	SMITH, T.F. and WATERMAN, M.S., <u>Adv. Appl. Math.</u> , 2:482-489 (1981)	
/M.M./	A110	SMITH, T.F. and WATERMAN, M.S., <u>J. Mol. Biol.</u> , 147:195-197 (1981).	
/M.M./	A111	SONNHAMMER, E.L.L. et al., <u>Nucleic Acids Res.</u> , 26:320-322 (1988).	

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(use as many sheets as necessary)				First Named Inventor	Xin Jiang
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/M.M./	A113	TAKEMORI, H. et al., <u>J. Biol. Chem.</u> , 273:222-2231 (1998).	
/M.M./	A114	TCHOUA, U. et al., <u>Biochim. Biophys. Acta</u> , 1487:255-267 (2000).	
/M.M./	A115	THAI, T.P. et al., <u>FEBS Lett.</u> , 420:205-211 (1997).	
/M.M./	A116	THAI, T.P. et al., <u>FEBS Lett.</u> , 456:263-268 (1999).	
	A117	<u>The McGraw Hill Yearbook of Science and Technology</u> , McGraw Hill, New York NY, 191-196 (1992).	
/M.M./	A118	THODETI, C.K. et al., <u>J. Biol. Chem.</u> , 275:9849-9853 (2000).	
/M.M./	A119	VAN PARIDON et al., <u>Biochemistry</u> , 27:6208-6214 (1988).	

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(use as many sheets as necessary)				First Named Inventor	Xin Jiang
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				Examiner Name	Maryam Monshipouri
				Attorney Docket Number	059314-0401

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/M.M./	A120	VAN TEIL, C.M. et al., <u>J. Biol. Chem.</u> , 275:21532-25138 (2000).	
/M.M./	A121	VAN TILBEURGH, H. et al., <u>Biochim Bophys Acta</u> , 1441:173-184 (1999).	
/M.M./	A122	VENEMA, R.C. et al., <u>J. Biol. Chem.</u> , 273:7703-7708 (1998).	
/M.M./	A123	VOELKER, D.R., <u>Biochim. Biophys. Acta</u> , 1348:236-24244 (1997).	
/M.M./	A124	WALKLEY, S.U. et al., <u>Ann. N.Y. Acad. Sci.</u> , 845:188-199 (1998).	
/M.M./	A125	WEI, C.F. et al., <u>J. Biol. Chem.</u> , 260:15211-15221 (1985).	
/M.M./	A126	WESTERMAN, J. et al., <u>J. Biol. Chem.</u> , 270:14263-14266 (1995).	
/M.M./	A127	WIJKANDER, J. et al., <u>J. Biol. Chem.</u> , 270:26543-26549 (1995).	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/534,579
Date Submitted: July 23, 2008				Filing Date	11/10/2003
(use as many sheets as necessary)				First Named Inventor	Xin Jiang
Sheet	17	of	17	Art Unit	1656
				Examiner Name	Maryam Monshipouri
				Attorney Docket Number	059314-0401

NON PATENT LITERATURE DOCUMENTS						
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/M.M./	A128	WILKENING, G. et al., <u>J. Biol. Chem.</u> , 273:302471-30278 (1998).				
/M.M./	A129	WORBY, C.A. and DIXON, J.E., <u>Nat. Rev. Mol. Cell. Biol.</u> , 3:919-931 (2002).				
/M.M./	A130	WRIGHT, L. et al., <u>Am. J. Respir. Crit. Care Med.</u> , 157:219-229 (1998).				
/M.M./	A131	YAMAMOTO, S., <u>Biochium. Biophys. Acta.</u> , 1128:117-131 (1992).				
/M.M./	A132	YANG, J. et al., <u>J. Biol. Chem.</u> , 270:12152-12161 (1995).				
/M.M./	A133	YOKOYAMA-KOBAYASHI, M. et al., <u>Gene</u> , 228:161-167 (1999).				
/M.M./	A134	ZHANG, L. et al., <u>Biochem. J.</u> , 340(Pt. 1):225-264 (1999).				

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